

AMENDMENTS TO THE CLAIMS

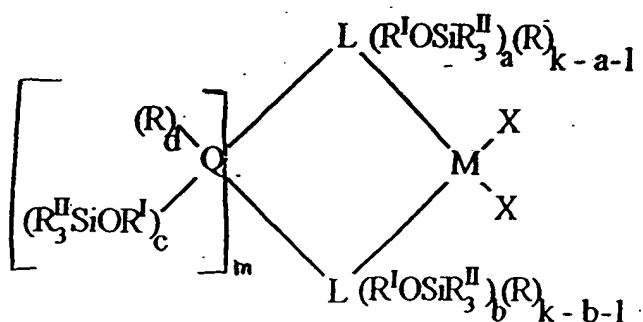
The following listing of claims replaces all prior versions and listings of claims in the above-identified U.S. patent application.

LISTING OF CLAIMS

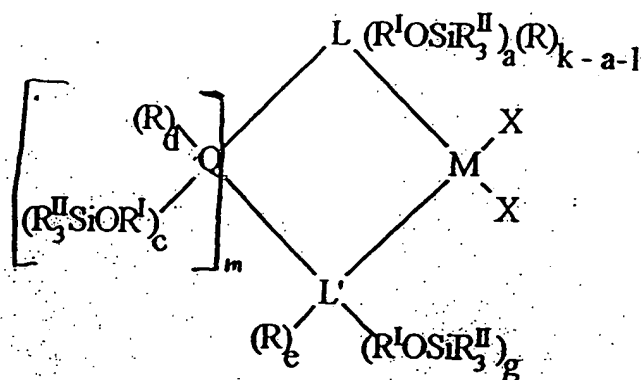
Claim 1. (currently amended) A heterogeneous catalytic composition obtained by reacting a porous inorganic support with an alumoxane and subsequently supporting at least one metallocene compound thereon, wherein the ~~supported~~ metallocene compound ~~on the support~~ is defined by formula I, II, or III:



I,



II, or



III,

wherein:

the **L** groups are equal to or different from each other, wherein each **L** is selected from the group consisting of cyclopentadienyl, indenyl, tetrahydroindenyl, fluorenyl, octahydrofluorenyl, and benzoindenyl;

each **R** is independently hydrogen, linear or branched C₁-C₂₀ alkyl, linear or branched C₃-C₂₀ cycloalkyl, linear or branched C₆-C₂₀ aryl, linear or branched C₃-C₂₀ alkenyl, linear or branched C₇-C₂₀ arylalkyl, linear or branched C₇-C₂₀ alkylaryl, linear or branched C₈-C₂₀ arylalkenyl, or a group SiR^{II}₃, wherein the C₁-C₂₀ alkyl, the C₃-C₂₀ cycloalkyl, the C₆-C₂₀ aryl, the C₃-C₂₀ alkenyl, the C₇-C₂₀ arylalkyl, the C₇-C₂₀ alkylaryl, and the C₈-C₂₀ arylalkenyl are optionally substituted with 1 to 10 halogen atoms;

the **R^I** groups are equal to or different from each other, wherein each **R^I** is a divalent aliphatic or aromatic hydrocarbon group containing from 1 to 20 carbon atoms, optionally containing from 1 to 5 heteroatoms of groups 14 to 16 of the Periodic Table of the Elements, and optionally containing boron; wherein the -OSiR^{II}₃ group in the formula I is directly bonded to a carbon atom in the

R^I;

each **R^{II}** is independently linear or branched C₁-C₂₀ alkyl, linear or branched C₃-C₂₀ cycloalkyl, linear or branched C₆-C₂₀ aryl, linear or branched C₃-C₂₀ alkenyl, linear or branched C₇-C₂₀ arylalkyl, linear or branched C₈-C₂₀ arylalkenyl, or linear or branched C₇-C₂₀ alkylaryl;

each **Q** is independently B, C, Si, Ge, or Sn;

M is a lanthanide, an actinide, or a metal of group 3, 4, or 10 of the Periodic Table of the Elements, and **M** has a valence;

each **X** is independently hydrogen, chlorine, bromine, OR^{II}, NR^{II}₂, C₁-C₂₀ alkyl, or C₆-C₂₀ aryl;

L' is N or O;

when **L** is cyclopentadienyl, **k** is equal to 5; when **L** is indenyl, **k** is equal to 7; when **L** is fluorenyl or benzoindenyl, **k** is equal to 9; when **L** is tetrahydroindenyl, **k** is equal to 11; and when **L** is octahydrofluorenyl, **k** is equal to 17;

z is equal to 0, 1, or 2;

x is equal to 1, 2, or 3;

y is equal to 1, 2, or 3;

x + y + z is equal to the valence of **M**;

m is equal to 1, 2, 3 or 4;

a is an integer whose value ranges from 0 to **k-1**;

b is an integer whose value ranges from 0 to **k-1**;

f is an integer whose value ranges from 1 to **k**;

g is equal to 0 or 1;

c is equal to 0 or 1;

e is equal to 0 or 1;

a + b + c is at least 1;

a + g + c is at least 1;

d is equal to 0, 1, or 2;

when **Q** is B, then **c + d** = 1;

when **Q** is C, Si, Ge, or Sn, then **c + d** = 2;

when L' is N, then $g + e = 1$; and
 when L' is O, then $g = 0$ and $e = 0$.

Claim 2. (currently amended) The A heterogeneous catalytic system according to claim 1 wherein the group $R^I OSiR^{II}_3$ is $CH_2-CH_2-OSiMe_3$, $CH_2-CH_2-CH_2-OSiMe_3$, $CH_2-O-CH_2-OSiMe_3$, $O-CH_2-CH_2-OSiMe_3$, $SiMe_2-CH_2-CH_2-OSiMe_3$, $SiMe_2-OSiMe_3$, or $SiMe_2-CH_2-CH_2-CH_2-OSiMe_3$.

Claim 3. (currently amended) The A heterogeneous catalytic system according to claim 1 wherein M is titanium, zirconium, or hafnium.

Claim 4. (currently amended) The A heterogeneous catalytic system according to claim 1 wherein the alumoxane is represented by a formula:



wherein R is an alkyl or an aryl group containing from 1 to 20 carbon atoms; n ranges from 1 to 40[,]; and m ranges from 3 to 40.

Claim 5. (currently amended) The A heterogeneous catalytic [Heterogeneous catalyst] system according to claim 1 wherein the inorganic support is selected from the group consisting of silica, alumina, silica alumina, aluminum phosphates, and mixtures thereof.

Claim 6. (currently amended) The A heterogeneous catalytic system according to claim 1 comprising a transition metal, wherein [the content in] the transition metal comprises between 0.01 and

3% by weight of the catalyst system.

Claim 7. (currently amended) The A heterogeneous catalytic system according to claim 6 wherein the transition metal comprises between 0.1 and 1% by weight of the catalyst system.

Claim 8. (withdrawn) A process for polymerization of alpha olefins in a slurry or in a gas phase, wherein the polymerization is catalyzed by the heterogeneous ~~catalyst system~~ catalytic composition of claim 1.

Claim 9. (cancelled)

Claim 10. (currently amended) The A heterogeneous catalytic ~~system composition~~ as claimed in Claim 1, wherein each R^I is linear or branched C_1 - C_{20} alkylene, linear or branched C_3 - C_{20} cycloalkylene, linear or branched C_6 - C_{20} arylene, linear or branched C_7 - C_{20} alkenyl, linear or branched C_7 - C_{20} , linear or branched arylalkylene, linear or branched alkylarylene, or a group SiR^{II}_2 .

Claim 11. (currently amended) The A heterogeneous catalytic ~~system composition~~ as claimed in Claim 1, wherein R^{II} is methyl, ethyl, or isopropyl.

Claim 12. (currently amended) The A heterogeneous catalytic ~~system composition~~ as claimed in Claim 12, wherein R^{II} is methyl, ethyl, or isopropyl.

Claim 13. (currently amended) The A heterogeneous catalytic ~~system composition~~ as claimed in Claim 2, wherein M is titanium,

zirconium, or hafnium.

Claim 14. (currently amended) ~~The A~~ heterogeneous catalytic ~~system composition~~ as claimed in Claim 13, wherein M is titanium, zirconium, or hafnium.

Claim 15. (currently amended) ~~The A~~ heterogeneous catalytic ~~system composition~~ as claimed in Claim 2, wherein the alumoxane is represented by a formula:



wherein **R** is an alkyl or an aryl group containing from 1 to 20 carbon atoms; **n** ranges from 1 to 40; and **m** ranges from 3 to 40.

Claim 16. (currently amended) ~~The A~~ heterogeneous catalytic ~~system composition~~ as claimed in Claim 3, wherein the alumoxane is represented by a formula:



wherein **R** is an alkyl or an aryl group containing from 1 to 20 carbon atoms; **n** ranges from 1 to 40; and **m** ranges from 3 to 40.

Claim 17. (currently amended) ~~The A~~ heterogeneous catalytic ~~system composition~~ as claimed in Claim 13, wherein the alumoxane is represented by a formula:



wherein **R** is an alkyl or an aryl group containing from 1 to 20 carbon atoms; **n** ranges from 1 to 40; and **m** ranges from 3 to 40.

Claim 18. (currently amended) The A heterogeneous catalytic ~~system~~ composition as claimed in Claim 2, wherein the inorganic support is selected from the group consisting of silica, alumina, silica alumina, aluminum phosphates, and mixtures thereof.

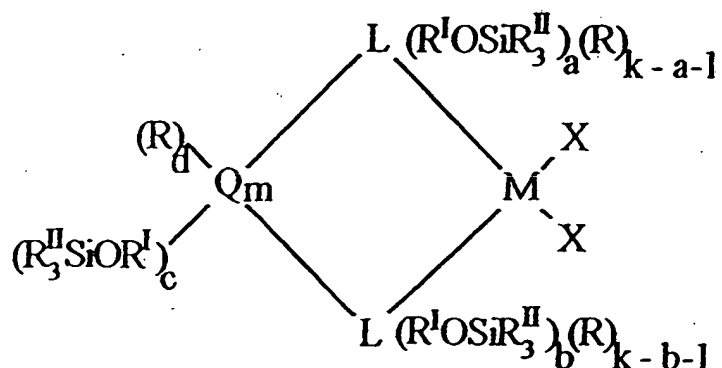
Claim 19. (cancelled)

Claim 20. (withdrawn) A process for polymerizing a monomer or a mixture of a monomer and a comonomer, wherein the process comprises: contacting the heterogeneous catalytic ~~system~~ composition claimed in Claim 1 with the monomer or the mixture to polymerize the monomer or the mixture.

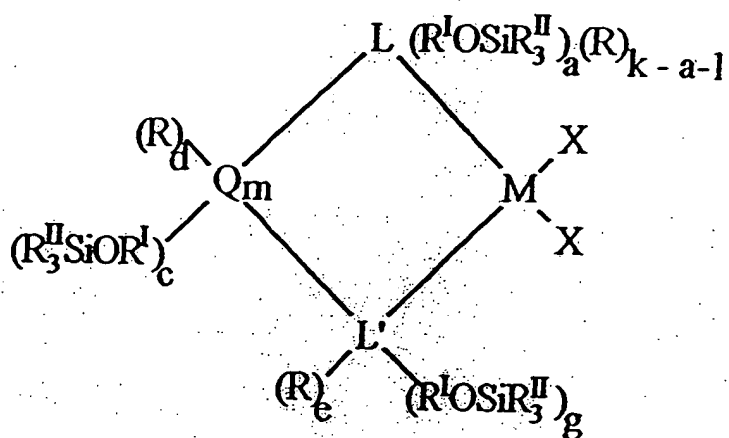
Claim 21. (currently amended) A heterogeneous catalytic system obtained by reacting a porous inorganic support with an alumoxane and subsequently supporting at least one metallocene compound thereon, wherein the ~~supported~~ metallocene compound ~~on the support~~ is defined by formula I, II, or III:



I,



II, or



III,

wherein:

the **L** groups are equal to or different from each other, wherein each **L** is selected from the group consisting of cyclopentadienyl, indenyl, tetrahydroindenyl, fluorenyl, octahydrofluorenyl, and benzoindenyl;

each **R** is independently hydrogen, linear or branched C_1 - C_{20} alkyl, linear or branched C_3 - C_{20} cycloalkyl, linear or branched C_6 - C_{20} aryl, linear or branched C_3 - C_{20} alkenyl, linear or branched C_7 - C_{20} arylalkyl, linear or branched C_7 - C_{20} alkylaryl, linear or branched C_8 - C_{20} arylalkenyl, or a group SiR^{II}_3 , wherein the C_1 - C_{20} alkyl, the C_3 - C_{20} cycloalkyl, the C_6 - C_{20} aryl, the C_3 - C_{20} alkenyl, the C_7 - C_{20} arylalkyl, the C_7 - C_{20} alkylaryl, and the C_8 - C_{20} arylalkenyl are optionally substituted with 1 to 10 halogen atoms;

the **R^I** groups are equal to or different from each other, wherein

each R^I is a divalent aliphatic or aromatic hydrocarbon group containing from 1 to 20 carbon atoms, optionally containing from 1 to 5 heteroatoms of groups 14 to 16 of the Periodic Table of the Elements, and optionally containing boron; wherein the $-OSiR^{II}_3$ group in the formula I is directly bonded to a carbon atom in the R^I ;

each R^{II} is independently linear or branched C_1 - C_{20} alkyl, linear or branched C_3 - C_{20} cycloalkyl, linear or branched C_6 - C_{20} aryl, linear or branched C_3 - C_{20} alkenyl, linear or branched C_7 - C_{20} arylalkyl, linear or branched C_8 - C_{20} arylalkenyl, or linear or branched C_7 - C_{20} alkylaryl;

each Q is independently B, C, Si, Ge, or Sn;

M is a lanthanide, an actinide, or a metal of group 3, 4, or 10 of the Periodic Table of the Elements, and M has a valence;

each X is independently hydrogen, chlorine, bromine, OR^{II} , NR^{II}_2 , C_1 - C_{20} alkyl, or C_6 - C_{20} aryl;

L' is N or O;

when L is cyclopentadienyl, k is equal to 5; when L is indenyl, k is equal to 7; when L is fluorenyl or benzoindenyl, k is equal to 9; when L is tetrahydroindenyl, k is equal to 11; and when L is octahydrofluorenyl, k is equal to 17;

z is equal to 0, 1, or 2;

x is equal to 1, 2, or 3;

y is equal to 1, 2, or 3;

$x + y + z$ is equal to the valence of M ;

m is equal to 1, 2, 3 or 4;

a is an integer whose value ranges from 0 to $k-1$;

b is an integer whose value ranges from 0 to $k-1$;

f is an integer whose value ranges from 1 to k ;

g is equal to 0 or 1;

c is equal to 0 or 1;

e is equal to 0 or 1;

$a + b + c$ is at least 1;
 $a + g + c$ is at least 1;
 d is equal to 0, 1, or 2;
when Q is B, then $c + d = 1$;
when Q is C, Si, Ge, or Sn, then $c + d = 2$;
when L' is N, then $g + e = 1$; and
when L' is O, then $g = 0$ and $e = 0$.

Claim 22. (cancelled)

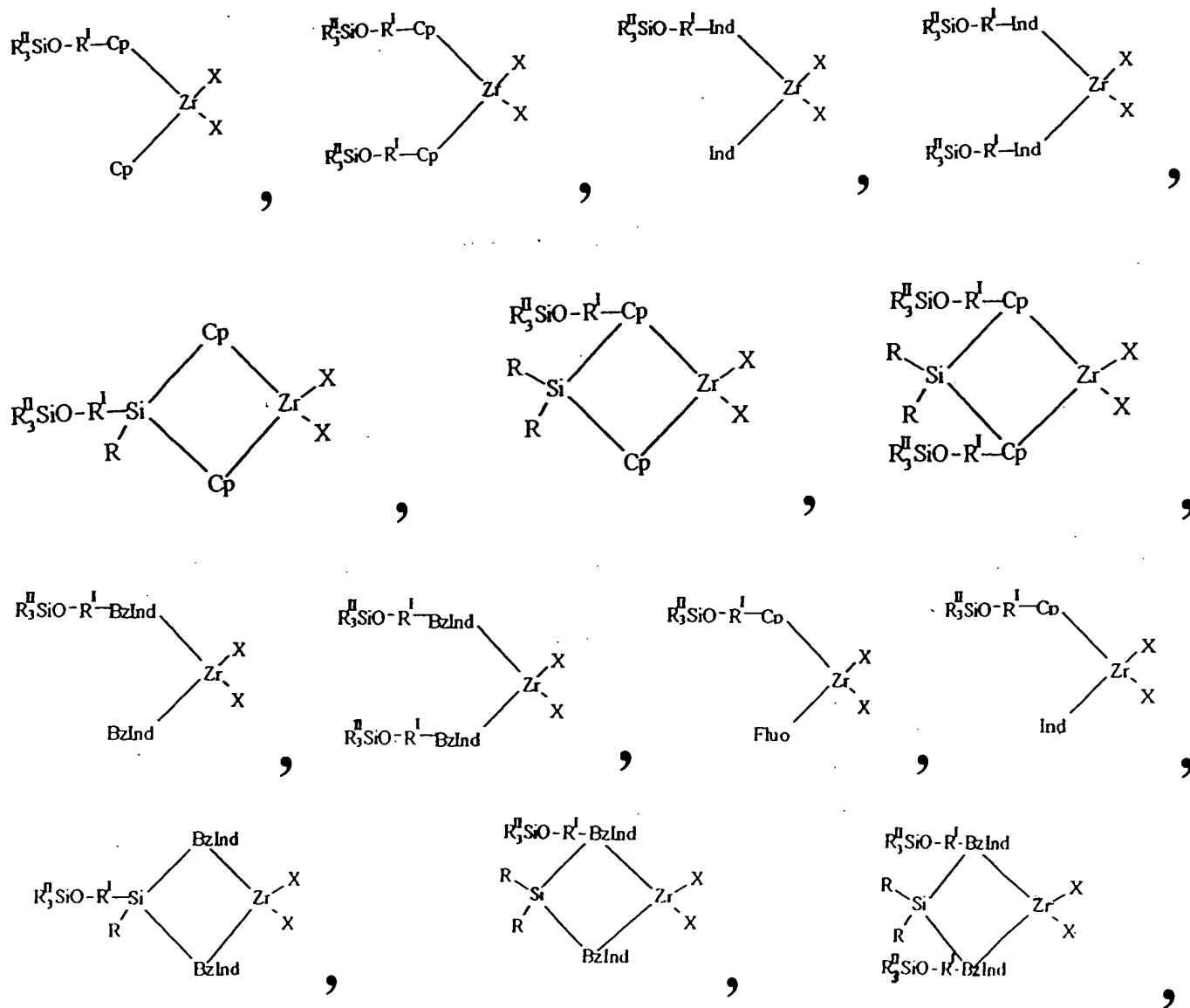
Claim 23. (previously presented) The heterogeneous catalytic composition as claimed in Claim 2, wherein the inorganic support is selected from the group consisting of silica, alumina, silica alumina, aluminum phosphates, and mixtures thereof.

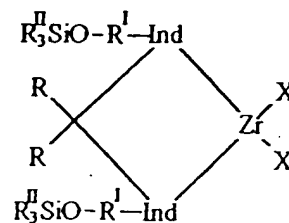
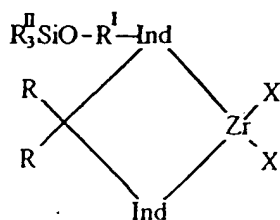
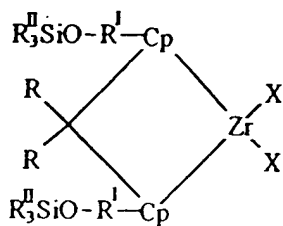
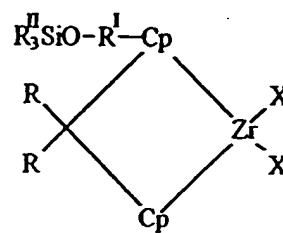
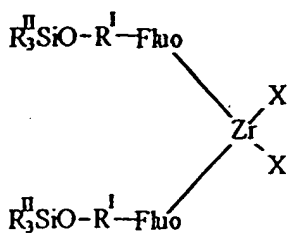
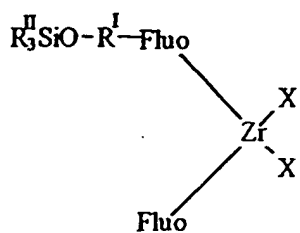
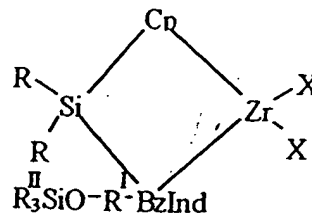
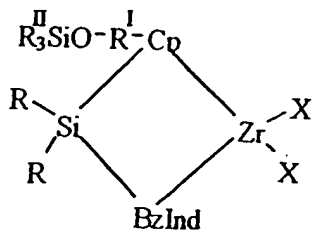
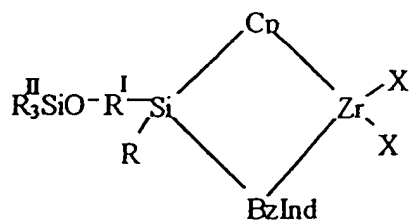
Claim 24. (previously presented) The heterogeneous catalytic composition as claimed in Claim 1, wherein m is equal to 1 or 2.

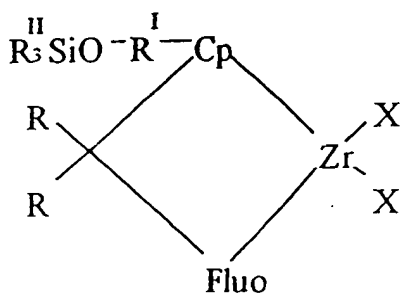
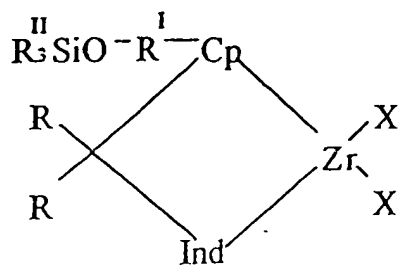
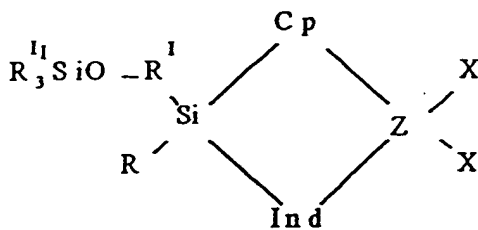
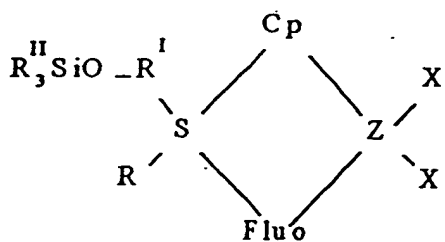
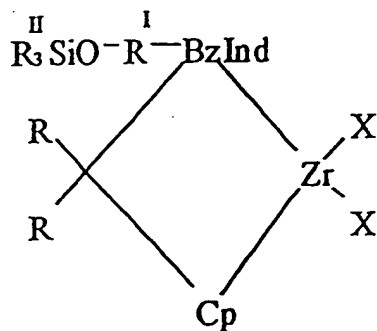
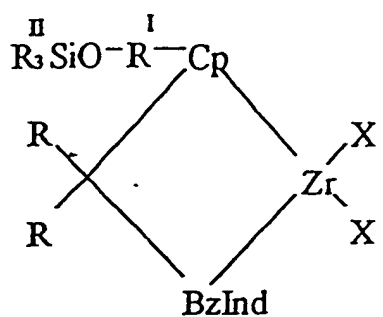
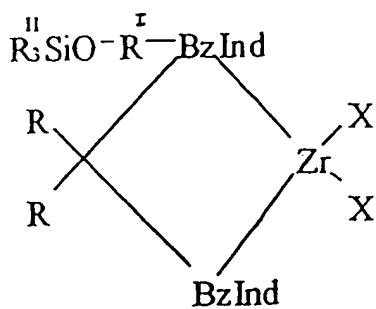
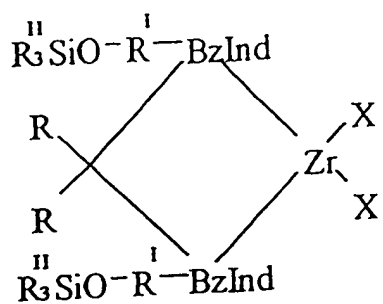
Claim 25. (previously presented) The heterogeneous catalytic system as claimed in Claim 21, wherein m is equal to 1 or 2.

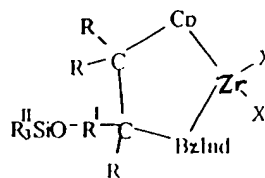
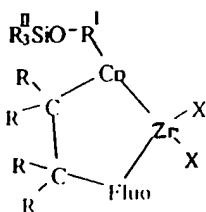
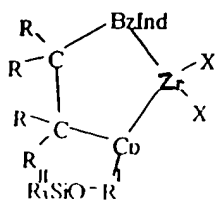
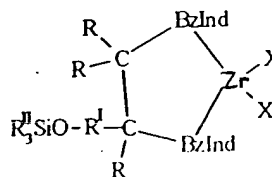
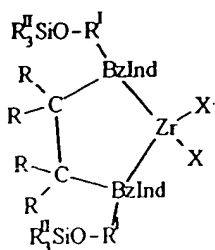
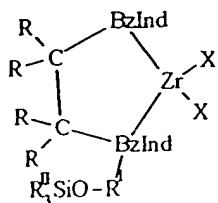
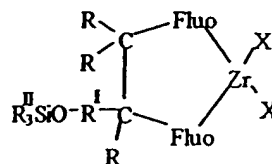
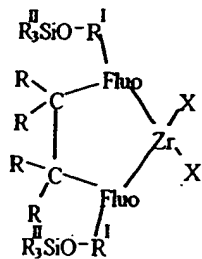
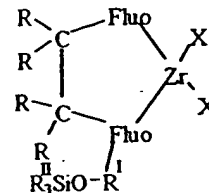
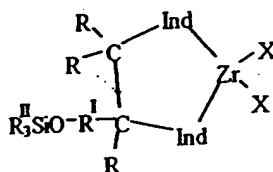
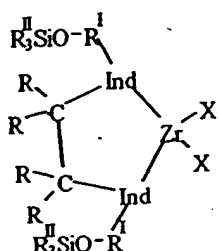
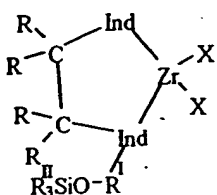
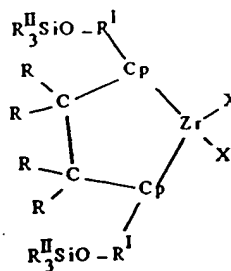
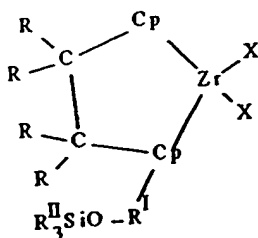
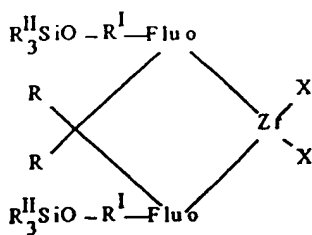
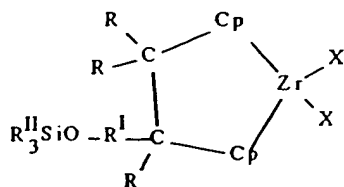
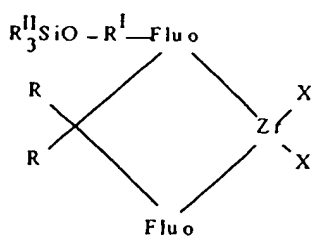
Claim 26. (cancelled)

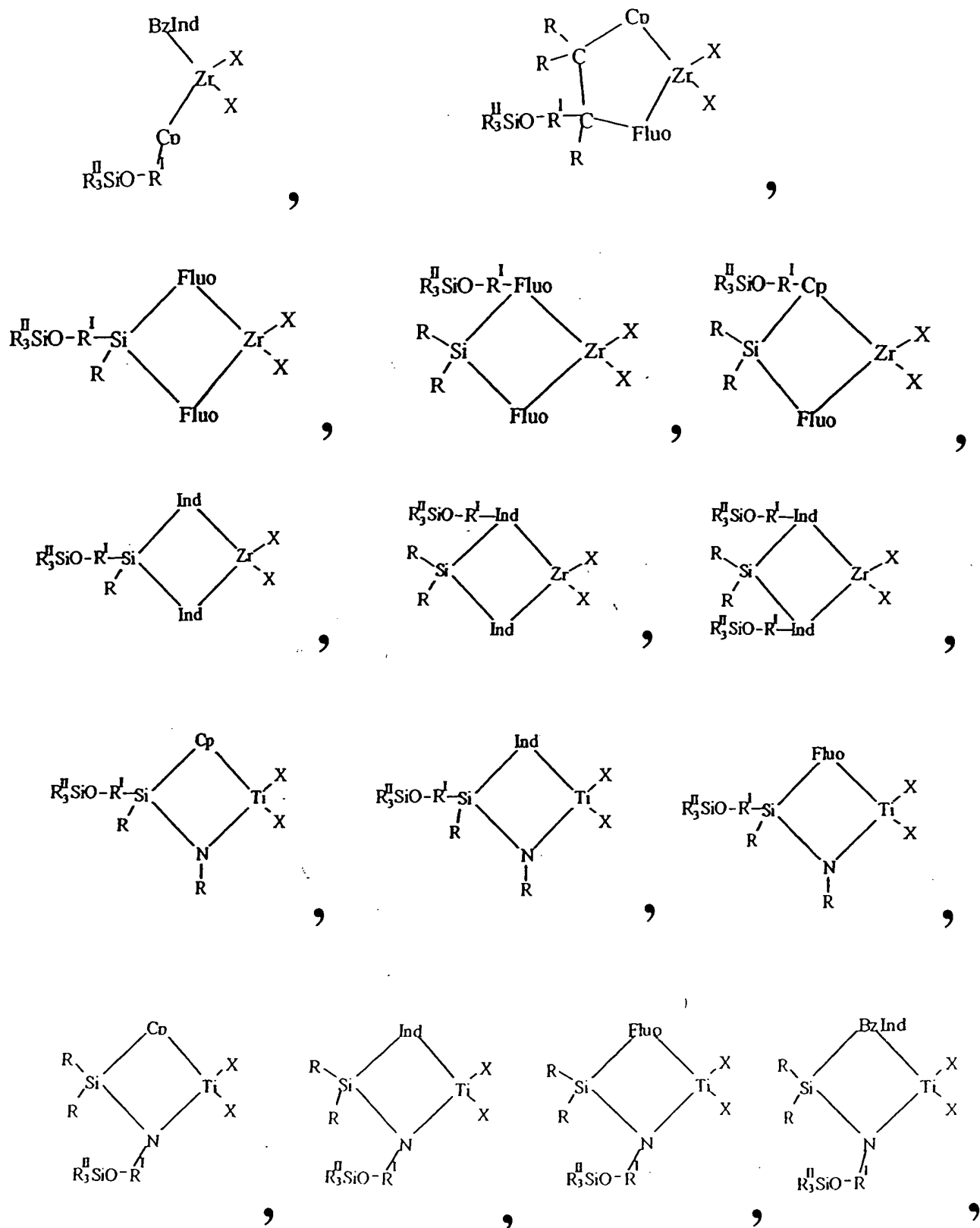
Claim 27. (previously presented) The heterogeneous catalytic system claimed in Claim 21, wherein the supported metallocene compound is selected from the group consisting of:

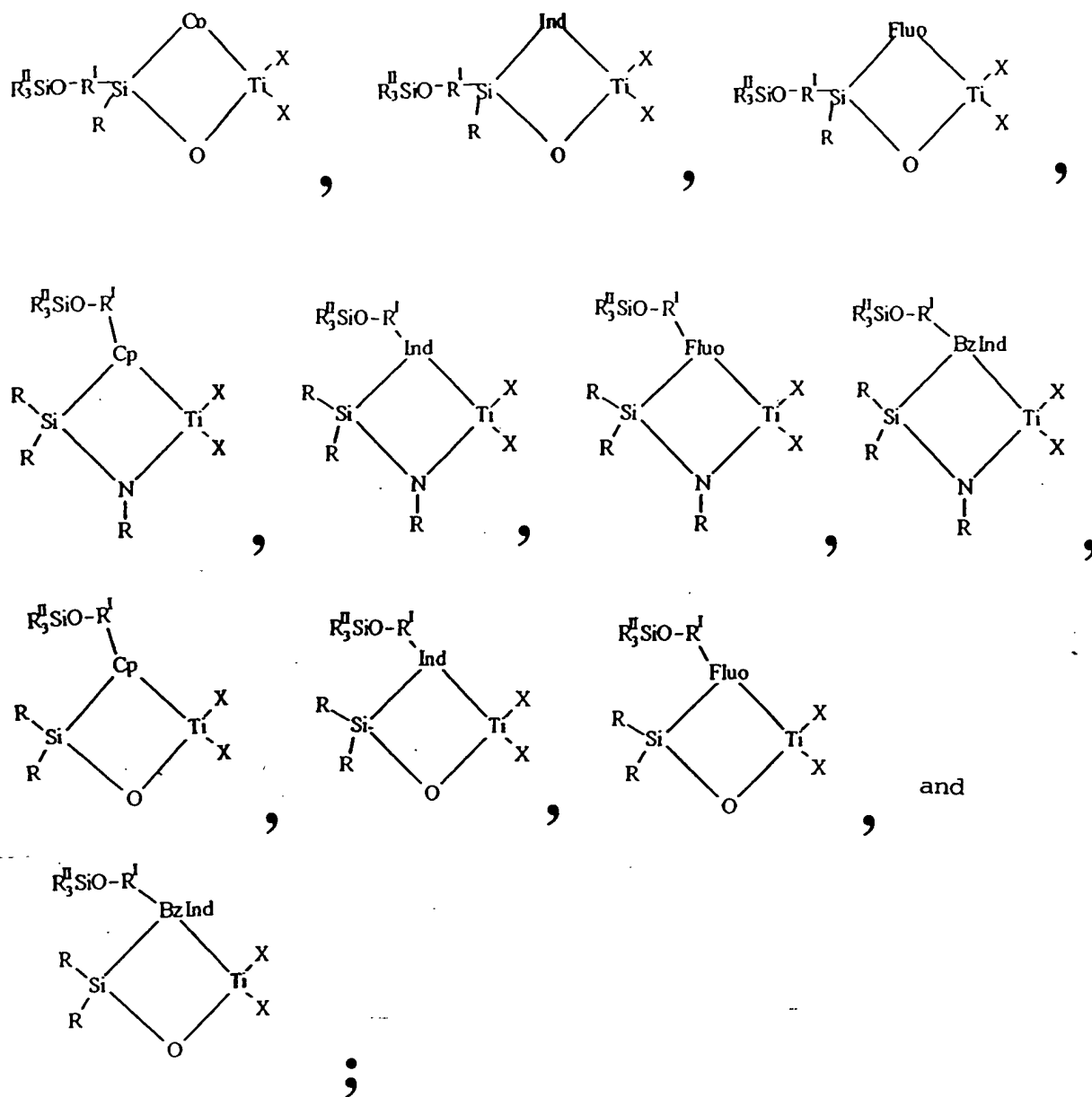












wherein Cp is a cyclopentadienyl ring that is optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkyaryl;

wherein Ind is an indenyl ring that is optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkyaryl;

wherein BzInd is a benzoindenyl ring that is optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀

alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkyaryl;

and wherein Fluo is a fluorenyl ring that is optionally substituted with C₁-C₂₀ alkyl, C₃-C₂₀ cycloalkyl, C₆-C₂₀ aryl, C₃-C₂₀ alkenyl, C₇-C₂₀ arylalkyl, C₈-C₂₀ arylalkenyl, or C₇-C₂₀ alkyaryl.

Claim 28. (previously presented) The heterogeneous catalytic system claimed in Claim 21, wherein the supported metallocene compound is selected from the group consisting of:

bis(trimethylsiloxyethyl-cyclopentadienyl) zirconium dichloride;
(trimethylsiloxyethyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(trimethylsiloxyethyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(trimethylsiloxyethyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(trimethylsiloxyethyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(trimethylsiloxyethyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(trimethylsiloxyethyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
[1-(2-trimethylsiloxyethyl)indenyl] (cyclopentadienyl) zirconium dichloride;
[1-(2-methylsiloxyethyl)indenyl] (pentamethyl cyclopentadienyl) zirconium dichloride;

bis(trimethylsiloxypropyl-cyclopentadienyl) zirconium dichloride;
(trimethylsiloxypropyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(trimethylsiloxypropyl-cyclopentadienyl)(indenyl) zirconium dichloride;

(trimethylsiloxypropyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(trimethylsiloxypropyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(trimethylsiloxypropyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(trimethylsiloxypropyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
[1-(3-trimethylsiloxypropyl)indenyl](cyclopentadienyl) zirconium dichloride;

bis(trimethylsiloxy-methoxy-cyclopentadienyl) zirconium dichloride;
(trimethylsiloxy-methoxy-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(trimethylsiloxy-methoxy-cyclopentadienyl)(indenyl) zirconium dichloride;
(trimethylsiloxy-methoxy-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(trimethylsiloxy-methoxy-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(trimethylsiloxy-methoxy-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(trimethylsiloxy-methoxy-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;

bis(trimethylsiloxy-ethoxy-cyclopentadienyl) zirconium dichloride;
(trimethylsiloxy-ethoxy-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride ;
(trimethylsiloxy-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;
(trimethylsiloxy-ethoxy-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(trimethylsiloxy-ethoxy-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(trimethylsiloxy-ethoxy-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(trimethylsiloxy-ethoxy-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;

bis(trimethylsiloxy-ethyl-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;
(trimethylsiloxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(trimethylsiloxy-propyl-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
(trimethylsiloxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(indenyl) zirconium dichloride;
(trimethylsiloxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(2-methyl-indenyl) zirconium dichloride;
(trimethylsiloxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(fluorenyl) zirconium dichloride;
(trimethylsiloxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(9-methyl-fluorenyl) zirconium dichloride;
(trimethylsiloxy-ethyl-(dimethyl)silyl-cyclopentadienyl)(pentamethylcyclopentadienyl) zirconium dichloride;
bis(trimethylsiloxy-(dimethyl)silyl-cyclopentadienyl) zirconium dichloride;

(trimethylsiloxy-(dimethyl)silyl-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(2-trimethylsiloxyethyl-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-trimethylsiloxyethyl-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-trimethylsiloxyethyl-cyclopentadienyl) (cyclopentadienyl)zirconium
dichloride;
dimethylsilandiyl(2-trimethylsiloxyethyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-trimethylsiloxyethyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-trimethylsiloxyethyl-indenyl))(cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(2-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
dimethylsilandiyl(3-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
dimethylsilandiyl(2-trimethylsiloxyethyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-trimethylsiloxyethyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-trimethylsiloxyethyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;
dimethylsilandiyl(3-trimethylsiloxyethyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;
dimethylsilandiyl(3-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methylbenzoindenyl))
zirconium dichloride;
dimethylsilandiylbis(2-trimethylsiloxypropyl-cyclopentadienyl) zirconium dichloride;
dimethylsilandiylbis(3-trimethylsiloxypropyl-cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(3-trimethylsiloxypropyl-cyclopentadienyl) (cyclopentadienyl) zirconium
dichloride;
dimethylsilandiyl(1-(3-trimethylsiloxypropyl-indenyl)) (cyclopentadienyl) zirconium dichloride;
dimethylsilandiyl(2-trimethylsiloxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(3-trimethylsiloxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
dimethylsilandiyl(2-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
dimethylsilandiyl(3-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
dimethylsilandiyl(2-trimethylsiloxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(3-trimethylsiloxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
dimethylsilandiyl(2-trimethylsiloxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;

dimethylsilyl(3-trimethylsiloxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;

dimethylsilylbis(2-trimethylsiloxy-methoxy-cyclopentadienyl) zirconium dichloride;
dimethylsilylbis(3-trimethylsiloxy-methoxy-cyclopentadienyl) zirconium dichloride;
dimethylsilyl(2-trimethylsiloxy-methoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxy-methoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilyl(2-trimethylsiloxy-methoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxy-methoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilyl(2-trimethylsiloxy-methoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxy-methoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilyl(2-trimethylsiloxy-methoxy-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxy-methoxy-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylbis(2-trimethylsiloxy-ethoxy-cyclopentadienyl) zirconium dichloride;

dimethylsilylbis(3-trimethylsiloxy-ethoxy-cyclopentadienyl) zirconium dichloride;

dimethylsilyl(2-trimethylsiloxy-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxy-ethoxy-cyclopentadienyl)(1-indenyl) zirconium dichloride;

dimethylsilyl(2-trimethylsiloxy-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxy-ethoxy-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilyl(2-trimethylsiloxy-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilyl(3-trimethylsiloxy-ethoxy-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

dimethylsilyl(2-trimethylsiloxy-ethoxy-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium

dichloride;

dimethylsilandiyl(3-(trimethylsiloxy-ethoxy-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;

dimethylsilandiylbis(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium
dichloride;

dimethylsilandiylbis(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium
dichloride;

dimethylsilandiyl(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl)
zirconium dichloride;

dimethylsilandiyl(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl)
zirconium dichloride;

dimethylsilandiyl(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-
indenyl)) zirconium dichloride;

dimethylsilandiyl(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-
indenyl)) zirconium dichloride;

dimethylsilandiyl(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl)
zirconium dichloride;

dimethylsilandiyl(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl)
zirconium dichloride;

dimethylsilandiyl(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-
fluorenyl)) zirconium dichloride;

dimethylsilandiyl(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-
fluorenyl)) zirconium dichloride;

dimethylsilandiyl(3-(trimethylsiloxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium
dichloride;

dimethylsilandiyl(3-(trimethylsiloxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-
methylbenzoindenyl)) zirconium dichloride;

dimethylsilandiylbis(1-(3-trimethylsiloxy-(dimethyl)silyl)-indenyl) zirconium dichloride;

dimethylsilandiyl(1-(3-trimethylsiloxy-(dimethyl)silyl)-indenyl) (1-indenyl)zirconium dichloride;

isopropylidenebis(2-trimethylsiloxyethyl-cyclopentadienyl) zirconium dichloride;

isopropylidenebis(3-trimethylsiloxyethyl-cyclopentadienyl) zirconium dichloride;

isopropylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(1-(3-trimethylsiloxyethyl-indenyl)(cyclopentadienyl) zirconium dichloride;
isopropylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;

isopropylidenebis(2-trimethylsiloxypropyl-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-trimethylsiloxypropyl-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxypropyl-indenyl)(cyclopentadienyl) zirconium dichloride;
isopropylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
isopropylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
isopropylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;
isopropylidenebis(2-(trimethylsiloxy-methoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidenebis(3-(trimethylsiloxy-methoxy)-cyclopentadienyl) zirconium dichloride;
isopropylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
isopropylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl) zirconium dichloride;

isopropylidenebis(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;

isopropylidenebis(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

isopropylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

isopropylidene(3-(trimethylsiloxy-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium dichloride;

ethylidenebis(2-trimethylsiloxyethyl-cyclopentadienyl) zirconium dichloride;

ethylidenebis(3-trimethylsiloxyethyl-cyclopentadienyl) zirconium dichloride;

ethylidene(3-trimethylsiloxyethyl-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;

ethylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;

ethylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;

ethylidene(1-(3-trimethylsiloxyethyl-indenyl))(cyclopentadienyl) zirconium dichloride;

ethylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

ethylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

ethylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

ethylidene(2-trimethylsiloxyethyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidene(3-trimethylsiloxyethyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(2-trimethylsiloxypropyl-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-trimethylsiloxypropyl-cyclopentadienyl) zirconium dichloride;
ethylidene(3-trimethylsiloxypropyl-cyclopentadienyl) (cyclopentadienyl) zirconium dichloride;
ethylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxypropyl-indenyl))(cyclopentadienyl) zirconium dichloride;
ethylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-trimethylsiloxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-trimethylsiloxypropyl-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(2-(trimethylsiloxy-methoxy)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(trimethylsiloxy-methoxy)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-methoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;

ethylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-ethoxy)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidenebis(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-indenyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
ethylidene(2-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(3-(trimethylsiloxy-ethyl-(dimethyl)silyl)-cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilandiylbis(1-(2-trimethylsiloxyethyl-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-trimethylsiloxyethyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-trimethylsiloxyethyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilandiyl(1-(3-trimethylsiloxyethyl-indenyl))(1-indenyl) zirconium dichloride;

dimethylsilyl(1-(2-trimethylsiloxyethyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxyethyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxyethyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxyethyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxyethyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxyethyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylbis(1-(2-trimethylsiloxypropyl-indenyl)) zirconium dichloride;
dimethylsilylbis(1-(3-trimethylsiloxypropyl-indenyl)) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxypropyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxypropyl-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylbis(1-(2-trimethylsiloxy-methoxy-indenyl)) zirconium dichloride;
dimethylsilylbis(1-(3-trimethylsiloxy-methoxy-indenyl)) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-methoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxy-methoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-methoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxy-methoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-methoxy-indenyl))(9-fluorenyl) zirconium dichloride;

dimethylsilyl(1-(3-trimethylsiloxy-methoxy-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-methoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;
dimethylsilyl(1-(3-trimethylsiloxy-methoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

dimethylsilylbis(1-(2-trimethylsiloxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilylbis(1-(3-trimethylsiloxy-ethoxy-indenyl)) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
dimethylsilyl(1-(3-trimethylsiloxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilyl(1-(3-trimethylsiloxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilyl(1-(2-trimethylsiloxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;
dimethylsilyl(1-(3-trimethylsiloxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

dimethylsilandiylbis(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
dimethylsilandiylbis(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
dimethylsilandiyl(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium
dichloride;
dimethylsilandiyl(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium
dichloride;
dimethylsilandiyl(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl))
zirconium dichloride;
dimethylsilandiyl(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl))
zirconium dichloride;
dimethylsilandiyl(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium
dichloride;
dimethylsilandiyl(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium
dichloride;

dimethylsilyl(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl))
zirconium dichloride;

dimethylsilyl(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl))
zirconium dichloride;

isopropylidenebis(1-(2-trimethylsiloxyethyl-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-trimethylsiloxyethyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxyethyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxyethyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxyethyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxyethyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxyethyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxyethyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxyethyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxyethyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

isopropylidenebis(1-(2-trimethylsiloxypropyl-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-trimethylsiloxypropyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxypropyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxypropyl-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
isopropylidene(1-(2-trimethylsiloxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

isopropylidenebis(1-(2-trimethylsiloxy-methoxy-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-trimethylsiloxy-methoxy-indenyl)) zirconium dichloride;

isopropylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
isopropylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

isopropylidenebis(1-(2-trimethylsiloxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-trimethylsiloxy-ethoxy-indenyl)) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

isopropylidenebis(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidenebis(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium
dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl))

zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl))
zirconium dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium
dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium
dichloride;
isopropylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl))
zirconium dichloride;
isopropylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl))
zirconium dichloride;

ethylidenebis(1-(2-trimethylsiloxyethyl-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-trimethylsiloxyethyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxyethyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxyethyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxyethyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxyethyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxyethyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxyethyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxyethyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxyethyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(1-(2-trimethylsiloxypropyl-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-trimethylsiloxypropyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxypropyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxypropyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxypropyl-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxypropyl-indenyl))(9-fluorenyl) zirconium dichloride;
dichloride;
ethylidene(1-(2-trimethylsiloxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxypropyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
dichloride;

ethylidenebis(1-(2-trimethylsiloxy-methoxy-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-trimethylsiloxy-methoxy-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-methoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;
ethylidene(1-(3-trimethylsiloxy-methoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

ethylidenebis(1-(2-trimethylsiloxy-ethoxy-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-trimethylsiloxy-ethoxy-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-ethoxy-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidenebis(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl)) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-indenyl) zirconium dichloride;
ethylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
ethylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
ethylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium
dichloride;

ethylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-fluorenyl) zirconium dichloride;

ethylidene(1-(2-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidene(1-(3-trimethylsiloxy-ethyl-(dimethyl)silyl-indenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylenebis(9-(1-trimethylsiloxyethyl-fluorenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxyethyl-fluorenyl))(cyclopentadienyl) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxyethyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxyethyl-fluorenyl))(1-indenyl) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxyethyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylenebis(9-(1-trimethylsiloxypropyl-fluorenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxypropyl-fluorenyl))(9-fluorenyl) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxypropyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxypropyl-fluorenyl))(1-indenyl) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxypropyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylenebis(9-(1-trimethylsiloxy-methoxy-fluorenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(9-fluorenyl) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(1-indenyl) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylenebis(9-(1-trimethylsiloxy-ethoxy-fluorenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(9-fluorenyl) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;

dimethylsilylene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

dimethylsilylenebis(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
dimethylsilylene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
dimethylsilylene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
dimethylsilylene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium dichloride;
dimethylsilylene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(9-(1-trimethylsiloxyethyl-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(9-(1-trimethylsiloxypropyl-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(9-(1-trimethylsiloxy-methoxy-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(1-indenyl) zirconium dichloride;

isopropylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(9-(1-trimethylsiloxy-ethoxy-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

isopropylidenebis(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium dichloride;
isopropylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(9-(1-trimethylsiloxyethyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxyethyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(9-(1-trimethylsiloxypropyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxypropyl-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(9-(1-trimethylsiloxy-methoxy-fluorenyl)) zirconium dichloride;

ethylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
ethylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxy-methoxy-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium
dichloride;

ethylidenebis(9-(1-trimethylsiloxy-ethoxy-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(9-fluorenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(1-(2-methyl-indenyl)) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(1-indenyl) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxy-ethoxy-fluorenyl))(9-(2-methyl-fluorenyl)) zirconium dichloride;

ethylidenebis(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl)) zirconium dichloride;
ethylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(9-fluorenyl) zirconium
dichloride;
ethylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(1-(2-methyl-indenyl)) zirconium
dichloride;
ethylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(1-indenyl) zirconium
dichloride;
ethylidene(9-(1-trimethylsiloxy-ethyl-(dimethyl)silyl-fluorenyl))(9-(2-methyl-fluorenyl))
zirconium dichloride;

trimethylsiloxyethyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiylbis(9-fluorenyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
trimethylsiloxyethyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;
trimethylsiloxyethyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium
dichloride;
trimethylsiloxyethyl(methyl)silandiylbis(1-(2-methylbenzoindenyl)) zirconium dichloride;

trimethylsiloxypropyl(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiylbis(9-fluorenyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
trimethylsiloxypropyl(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;
trimethylsiloxypropyl(methyl)silandiylbis(1-indenyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiyl(cyclopentadienyl)(1-(2-methylbenzoindenyl)) zirconium
dichloride;

trimethylsiloxy-methoxy(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
trimethylsiloxy-methoxy(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
trimethylsiloxy-methoxy(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
trimethylsiloxy-methoxy(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
trimethylsiloxy-methoxy(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;

trimethylsiloxy-ethoxy(methyl)silandiylbis(cyclopentadienyl) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium
dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium
dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiylbis(cyclopentadienyl) zirconium
dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-indenyl) zirconium
dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(1-(2-methyl-indenyl))
zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylidenebis(cyclopentadienyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylidenebis(cyclopentadienyl) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylidenebis(cyclopentadienyl) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-indenyl) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(1-(2-methyl-indenyl)) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-fluorenyl) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylidene(cyclopentadienyl)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylidenebis(1-indenyl) zirconium dichloride;

1-trimethylsiloxyethyl-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-trimethylsiloxyethyl-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-trimethylsiloxyethyl-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-trimethylsiloxyethyl-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-trimethylsiloxyethyl-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-trimethylsiloxyethyl-ethylidenebis(1-indenyl) zirconium dichloride;

1-trimethylsiloxypropyl-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-trimethylsiloxypropyl-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-trimethylsiloxypropyl-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-trimethylsiloxypropyl-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-trimethylsiloxypropyl-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-trimethylsiloxypropyl-ethylidenebis(1-indenyl) zirconium dichloride;

1-trimethylsiloxy-methoxy-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-trimethylsiloxy-methoxy-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-trimethylsiloxy-methoxy-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-trimethylsiloxy-methoxy-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-trimethylsiloxy-methoxy-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

1-trimethylsiloxy-ethoxy-ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-trimethylsiloxy-ethoxy-ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-trimethylsiloxy-ethoxy-ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-trimethylsiloxy-ethoxy-ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-trimethylsiloxy-ethoxy-ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

dichloride;

1-trimethylsiloxy-ethyl-(dimethyl)silyl ethylidenebis(cyclopentadienyl) zirconium dichloride;

1-trimethylsiloxy-ethyl-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-indenyl) zirconium dichloride;

1-trimethylsiloxy-ethyl-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(1-(2-methyl-indenyl)) zirconium dichloride;

1-trimethylsiloxy-ethyl-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-fluorenyl) zirconium dichloride;

1-trimethylsiloxy-ethyl-(dimethyl)silyl ethylidene-1-(cyclopentadienyl)-2-(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(cyclopentadienyl) titanium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(1-(2-methylbenzoindenyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-(trimethylsiloxyethylcyclopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(1-(3-trimethylsiloxyethylindenyl) titanium dichloride;

(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(cyclopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(tetramethylcyclopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(1-indenyl) titanium dichloride;

(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(9-fluorenyl) titanium dichloride;

(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(1-(2-methylbenzoindenyl) titanium

dichloride;

trimethylsiloxypropyl(methyl)silandiyl(tertbutylamido)-(cylopentadienyl) titanium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxypropyl(methyl)silandiyl(tertbutylamido)-(1-(2-methylbenzoindenyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-(trimethylsiloxypropyl)cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(1-(3-trimethylsiloxypropyl)indenyl) titanium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(cylopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(tetramethylcyclopentadienyl) titanium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(1-indenyl) titanium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(9-fluorenyl) titanium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(1-(2-methylbenzoindenyl) titanium dichloride;

trimethylsiloxy-methoxy (methyl)silandiyl-(tertbutylamido)(cylopentadienyl) titanium dichloride;

trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(cyclopentadienyl) titanium dichloride;

trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)-(cyclopentadienyl) titanium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-indenyl) titanium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) titanium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(cyclopentadienyl) titanium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) titanium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(1-indenyl) titanium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) titanium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium
dichloride;

trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(cyclopentadienyl) titanium dichloride;
trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl)
titanium dichloride;
trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(indenyl) titanium dichloride;
trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) titanium
dichloride;
trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium dichloride;
trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(2-methyl-fluorenyl) titanium
dichloride;

trimethylsiloxy-methoxy(methyl)methylene(tertbutylamido)(cyclopentadienyl) titanium
dichloride;
trimethylsiloxy-methoxy(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl)
titanium dichloride;
trimethylsiloxy-methoxy(methyl)methylen(tertbutylamido)(1-indenyl) titanium dichloride;
trimethylsiloxy-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) titanium
dichloride;
trimethylsiloxy-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) titanium dichloride;
trimethylsiloxy-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) titanium
dichloride;

trimethylsiloxy-ethoxy-(methyl)methylene(tertbutylamido)(cyclopentadienyl) titanium
dichloride;
trimethylsiloxy-ethoxy-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl)
titanium dichloride;
trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(1-indenyl) titanium dichloride;
trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) titanium
dichloride;
trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(9-fluorenyl) titanium dichloride;
trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenyl)) titanium
dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cylopentadienyl)
titanium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl (methyl) methylene (tertbutylamido)
(tetramethylcyclopentadienyl) titanium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-indenyl) titanium
dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl))
titanium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) titanium
dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl))
titanium dichloride;

trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(cylopentadienyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium
dichloride;
trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium
dichloride;
trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium
dichloride;
trimethylsiloxyethyl(methyl)silandiyl-(tertbutylamido)(1-(2-methylbenzoindenyl) zirconium
dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-(trimethylsiloxyethylcyclopentadienyl) zirconium
dichloride;
(dimethyl)silandiyl-(tertbutylamido)(1-(3-trimethylsiloxyethylindenyl) zirconium
dichloride;

(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(cylopentadienyl) zirconium dichloride;
(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(tetramethylcyclopentadienyl) zirconium
dichloride;
(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(1-indenyl) zirconium dichloride;
(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(9-fluorenyl) zirconium dichloride;

(dimethyl)silandiyl-(2-trimethylsiloxyethylamido)(1-(2-methylbenzoindenyl) zirconium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)-(cyclopentadienyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxypropyl(methyl)silandiyl-(tertbutylamido)-(1-(2-methylbenzoindenyl) zirconium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(3-(trimethylsiloxypropylcyclopentadienyl) zirconium dichloride;

(dimethyl)silandiyl-(tertbutylamido)(1-(3-trimethylsiloxypropylindenyl) zirconium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(cyclopentadienyl) zirconium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(1-indenyl) zirconium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(9-fluorenyl) zirconium dichloride;

(dimethyl)silandiyl-(3-trimethylsiloxypropylamido)(1-(2-methylbenzoindenyl) zirconium dichloride;

trimethylsiloxy-methoxy (methyl)silandiyl-(tertbutylamido)(cyclopentadienyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxy-methoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(cyclopentadienyl) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxy-ethoxy(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)-(cyclopentadienyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-indenyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)silandiyl-(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(cyclopentadienyl) zirconium dichloride;
trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;
trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(1-indenyl) zirconium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;

trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxyethyl-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(cyclopentadienyl) zirconium dichloride;

trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(indenyl) zirconium dichloride;

trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(2-methyl-indenyl) zirconium dichloride;

trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;

trimethylsiloxypropyl-(methyl)methylene(tertbutylamido)(2-methyl-fluorenyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylene(tertbutylamido)(cyclopentadienyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylen(-tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylen(-tertbutylamido)(9-fluorenyl) zirconium dichloride;

trimethylsiloxy-methoxy(methyl)methylen(-tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylene(tertbutylamido)(cyclopentadienyl) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylene(tertbutylamido)(tetramethylcyclopentadienyl) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(1-indenyl) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;

trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxy-ethoxy-(methyl)methylen(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(cyclopentadienyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl (methyl) methylene (tertbutylamido) (tetramethylcyclopentadienyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-indenyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(1-(2-methyl-indenyl)) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-fluorenyl) zirconium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl)methylene(tertbutylamido)(9-(2-methyl-fluorenyl)) zirconium dichloride;

trimethylsiloxyethyl(methyl) silandiyl-oxo(cyclopentadienyl) titanium dichloride;
trimethylsiloxyethyl(methyl) silandiyl-oxo-(tetramethylcyclopentadienyl) titanium dichloride;
trimethylsiloxyethyl(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
trimethylsiloxyethyl(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
trimethylsiloxyethyl(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
trimethylsiloxyethyl(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxypropyl(methyl) silandiyl-oxo(cyclopentadienyl) titanium dichloride;
trimethylsiloxypropyl(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
trimethylsiloxypropyl(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
trimethylsiloxypropyl(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
trimethylsiloxypropyl(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
trimethylsiloxypropyl(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxy-methoxy(methyl) silandiyl- oxo(cyclopentadienyl) titanium dichloride;
trimethylsiloxy-methoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
trimethylsiloxy-methoxy(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;

trimethylsiloxy-methoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
trimethylsiloxy-methoxy(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
trimethylsiloxy-methoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxy-ethoxy(methyl) silandiyl-oxo(cyclopentadienyl) titanium dichloride;
trimethylsiloxy-ethoxy(methyl) silandiyl-oxo(tetramethylcyclopentadienyl) titanium dichloride;
trimethylsiloxy-ethoxy(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
trimethylsiloxy-ethoxy(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium dichloride;
trimethylsiloxy-ethoxy(methyl) silandiyl-oxo(9-fluorenyl) titanium dichloride;
trimethylsiloxy-ethoxy(methyl) silandiyl-oxo(9-(2-methyl-fluorenyl)) titanium dichloride;

trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl) silandiyl-oxo(cyclopentadienyl) titanium
dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl) silandiyl-oxo(tetramethylcyclopentadienyl)
titanium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl) silandiyl-oxo(1-indenyl) titanium dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl) silandiyl-oxo(1-(2-methyl-indenyl)) titanium
dichloride;
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl) silandiyl-oxo(fluorenyl) titanium dichloride; and
trimethylsiloxy-ethyl-(dimethyl)silyl-(methyl) silandiyl-oxo(9-methylfluorenyl) titanium
dichloride .

Claim 29. (currently amended) The heterogeneous catalytic system claimed in Claim 21, wherein, prior to being reacted with the alumoxane and prior to supporting the metallocene compound, the inorganic support is not functionalized.

Claim 30. (previously presented) The heterogeneous catalytic system claimed in Claim 21, wherein the supported metallocene compound is defined by the formula II or the formula III.

Claim 31. (currently amended) The heterogeneous catalytic system claimed in Claim 21, wherein each R^I in the formula I is a divalent or aromatic hydrocarbon group containing from 1 to 20 carbon atoms and optionally containing boron, ~~and wherein each R^F in the formula I does not contain any heteroatoms from groups 14 to 16 of the Periodic Table of the Elements.~~

Claim 32. (currently amended) The heterogeneous catalytic system claimed in Claim 21, wherein each R^I in the formula I is a divalent or aromatic hydrocarbon group containing from 1 to 20 carbon atoms, wherein each R^I in the formula I does not contain any boron, ~~and wherein each R^F in the formula I does not contain any heteroatoms from groups 14 to 16 of the Periodic Table of the Elements.~~

Claim 33. (previously presented) The heterogeneous catalytic system claimed in Claim 21, wherein m is equal to 1.

Claim 34. (previously presented) The heterogeneous catalytic system claimed in Claim 30, wherein m is equal to 1.

Claim 35. (previously presented) The heterogeneous catalytic system claimed in Claim 31, wherein m is equal to 1.

Claim 36. (previously presented) The heterogeneous catalytic system claimed in Claim 32, wherein m is equal to 1.

Claim 37. (previously presented) The heterogeneous catalytic system claimed in Claim 21, wherein the supported metallocene compound is selected from the group consisting of:

[(3-trimethylsiloxypropyl)methylsilylen] bis indenyl zirconium dichloride;

[(1,1-dimethyl-1-sila-4-trimethylsiloxybutyl) cyclopentadienyl] cyclopentadienyl zirconium dichloride;

[1-(3-trimethylsiloxypropyl)indenyl] cyclopentadienyl zirconium dichloride;

dimethylsilylen [3-(2-trimethylsiloxyethyl)cyclopentadienyl] indenyl zirconium dichloride;

dimethylsilylen [3-(2-trimethylsiloxyethyl)cyclopentadienyl] cyclopentadienyl zirconium dichloride;

[1-(2-trimethylsiloxyethyl)indenyl] cyclopentadienyl zirconium dichloride;

[1-(2-trimethylsiloxyethyl)indenyl] pentamethylcyclopentadienyl zirconium dichloride;

(3-trimethylsiloxypropylcyclopentadienyl)(cyclopentadienyl) zirconium dichloride;

(3-trimethylsiloxypropyl)methylsilylen]bis(1-indenyl) zirconium dichloride;

[(1,1-dimethyl-1-sila-4-trimethylsiloxybutyl)-cyclopentadienyl] cyclopentadienyl zirconium dichloride;

dimethylsilylen(trimethylsiloxyethyl-3-cyclopentadienyl)(1-indenyl) zirconium dichloride; and

dimethylsilylen(trimethylsiloxyethyl-3-cyclopentadienyl)(cyclopentadienyl) zirconium dichloride.

Claim 38. (withdrawn) A process for polymerization of alpha olefins in a slurry or in a gas phase, wherein the polymerization is catalyzed by the heterogeneous catalyst system of Claim 21.

Claim 39. (withdrawn) A process for polymerizing a monomer or a mixture of a monomer and a comonomer, wherein the process comprises: contacting the heterogeneous catalytic system claimed in Claim 21 with the monomer or the mixture to polymerize the monomer or the mixture.